FORMULAS FROM TEXT.		PA CS E.
	OF COMBUSTION AND COMBINATION.	
HEATS	on combustion to SiOo[+7,830	
. Si	cals.] „ P30B[+5,965 „] „	
yields	MnO[+l,784 „] . „	
Mn C	COC+2387 „] „	90
Pe	PeO[+l,35() „] .	1
SiO,	combin ation with CaO f oriniu g	20
Si02	SiCa08 \ [+254 cnls.] „	2
„ SiOail	MnO „ lSiOa)a(MiiO)»	20
BA „	[+134 caU] „ CaO „	2
	SiCa,04 [+384 cals.] „ CaO	20
	„ PaCaA [+1,131 cals.]-/	2
		20
		2

OF HEAT EEQUIREMENT DUE TO THE REDUCING AGENTS. PER KILOGEAMME STEEL PRODUCED.

cent. Si increases heat demand by + 15 cals. „ SiOa< ^ „ „ „
„ + 43 „ ,, P diminishes ,, ,, „ — 11 „
,, Mn „ ,, ,, „ — 17 ,,
n 0 „ ' „ „ „ - 14 „ . .

REQUIRED TO EEMOVE EEDUCING AGENTS FROM IRON.

cent. Si requires for its elimination in the form of FeA - . • 7-62 per cent. Fe208
cent. P requires for its elimination in the form of Fe409 . . . 7-80 per cent. Fe208
cent. Mn requires for its elimination in the form of nO 0-97 per cent. Ee.208
cent, 0 requires for its elimination in the form of) . . . .4-44 per cent. Pea08

Agent,	FeaO8.	Effect on Charge Growth + Charge—	
r cent. Si	4*32 per cent.		22 4
Si		+1 per cent.	22 5
P	4-30 „ „		22 5
P		+2 „ „	22 5
Mn	0-97 „ „		22 5
Mn		-0-32 „ „	22 5
0	3-60 „ „		22 8
0		+1-47 „ „	22 8

203 203 204 204 206
211 212 212
212